



LEGEND

- 1991 IFIM Surveys
- 1997 2-foot contour mapping
- August 2002 Survey
- 1991 Water Surface
- 2002 Water Surface

CONTROL POINT DATA

I-38 (concrete and pipe)  
Northing: 2284791.931  
Easting: 6664286.657  
Elevation: 101.26'

I-37 (concrete and pipe)  
Northing: 2284718.433  
Easting: 6664141.731  
Elevation: 104.63'

TRANSECT DATA

Length (2002): 439.04'  
Length (1991): 162.60'

Azimuth: 116°55'6"  
Azimuth: 116°55'6"

GAGE DATA (from USGS)

Oroville Gage:  
7/21/92: 627cfs  
10/23/02: 631cfs  
Gridley Gage:  
7/21/92: 3070cfs  
10/23/02: 3861cfs

Notes:

- 1) Land surveys, depth soundings, and velocities for the 1992 IFIM surveys were conducted on July 21, 1992.
- 2) Assumed elevations for the control points were converted to actual elevations by a level survey performed by DWR-Land and Right-of-Way in June 1996.
- 3) The 1997 cross-section was generated from 2-foot contour topographic mapping from the U.S. Army Corps of Engineers (COE) Comprehensive Study. The actual cross-section was generated using Land Developer and AutoCad software.
- 4) The 2002 cross-section was surveyed in June 2002. Coordinates for the IFIM control points were generated using a RTK GPS survey with a Trimble backpack 4700 receiver. Distances and elevations were measured along section with conventional total station surveying equipment.
- 5) Elevations are referenced to the National Geodetic Vertical Datum of 1929 (NGVD29).

STATE OF CALIFORNIA  
DEPARTMENT OF WATER RESOURCES

Oroville Facilities Relicensing  
FERC Project No. 2100

SP--G2 -- Task 3  
Appendix C -- Plate 5  
Channel Changes -- 1992 - 2002  
Conveyor Belt Riffle -- Transect 2LC  
RM 57.25



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